

Title (en)  
Low silhouette venting system for electric storage battery.

Title (de)  
Flaches Entlüftungssystem für elektrische Speicherbatterie.

Title (fr)  
Système de ventilation à profil bas pour accumulateur électrique.

Publication  
**EP 0107469 A2 19840502 (EN)**

Application  
**EP 83306294 A 19831017**

Priority  
US 43731282 A 19821028

Abstract (en)  
A low silhouette horizontal-type venting system for an electric storage battery (2) including an electrolyte drainage aperture(s) (58) at one end of the system, an exhaust port at the other end of the system and an electrolyte trapping and refluxing chamber between the aperture(s) and port wherein the chamber is divided into an antechamber (42) and a sump chamber (44) having oppositely sloping floors (48, 56) leading downwardly to the drainage aperture (58). A narrow electrolyte upflow restricting slot(s) (50) communicates the ante-chamber (42) with the sump chamber (44). Baffles (64) are provided in the sump chamber (44) to inhibit electrolyte movement there through. Narrow channels are provided at the slot(s) (50) and drainage aperture(s) (58) for capillary refluxing electrolyte back to the sump and cell, respectively.

IPC 1-7  
**H01M 2/12**

IPC 8 full level  
**H01M 2/12** (2006.01); **H01M 50/367** (2021.01); **H01M 2/36** (2006.01)

CPC (source: EP US)  
**H01M 50/367** (2021.01 - EP US); **H01M 50/383** (2021.01 - EP); **H01M 50/394** (2021.01 - EP); **H01M 50/668** (2021.01 - EP);  
**Y02E 60/10** (2013.01 - EP)

Cited by  
US8852792B2; EP0691698A1; EP0942479A1; EP1341244A3; US2010062322A1; EP0523273A1; EP0459162A1; JP2019114435A;  
EP3716357A4; US7851082B2; WO2019131261A1; WO2008120054A3; US11424507B2

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